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L4	28803	application with profile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 15:44
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L6	11678	memory with profile	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 15:44
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L9	2	7 and 2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 16:06
L10	1	7 and 3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 16:06
L11	7	memory with disjunctive.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 16:11
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L13	3	12 with memory.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 16:12
L14	183	first with second with profile with application.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/11/04 16:13
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1 [The Datacycle architecture](#)

T. F. Bowen, G. Gopal, G. Herman, T. Hickey, K. C. Lee, W. H. Mansfield, J. Raitz, A. Weinrib
December 1992 **Communications of the ACM**, Volume 35 Issue 12

Publisher: ACM Press

Full text available: pdf(3.91 MB)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

Keywords: VLSI filtering, concurrency control, data filtering, database architectures, database machines, fuzzy queries, high performance, transaction processing

2 [Security-control methods for statistical databases: a comparative study](#)

Nabil R. Adam, John C. Worthmann
December 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(3.64 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This paper considers the problem of providing security to statistical databases against disclosure of confidential information. Security-control methods suggested in the literature are classified into four general approaches: conceptual, query restriction, data perturbation, and output perturbation. Criteria for evaluating the performance of the various security-control methods are identified. Security-control methods that are based on each of the four approaches are discussed, t ...

3 [Infomaster: an information integration system](#)

Michael R. Genesereth, Arthur M. Keller, Oliver M. Duschka
June 1997 **ACM SIGMOD Record , Proceedings of the 1997 ACM SIGMOD international conference on Management of data SIGMOD '97**, Volume 26 Issue 2

Publisher: ACM Press

Full text available: pdf(516.07 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Infomaster is an information integration system that provides integrated access to multiple distributed heterogeneous information sources on the Internet, thus giving the illusion of a centralized, homogeneous information system. We say that Infomaster creates a virtual data warehouse. The core of Infomaster is a facilitator that dynamically determines an efficient way to answer the user's query using as few sources as necessary and harmonizes the heterogeneities among these sources. Infoma ...

4 RODAIN: a real-time object-oriented database system for telecommunications



Juha Taina, Kimmo Raatikainen

November 1996 **Proceedings of the workshop on on Databases: active and real-time**

Publisher: ACM Press

Full text available: pdf(329.11 KB) Additional Information: [full citation](#), [references](#), [index terms](#)

5 An architectural style of product lines for distributed processing systems, and practical selection method



Yoshitomi Morisawa, Koji Torii

September 2001 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 8th European software engineering conference held jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering ESEC/FSE-9**, Volume 26 Issue 5

Publisher: ACM Press

Full text available: pdf(284.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

When implementing an application system in a distributed computing environment, several architectural questions arise, such as how and where computing resources are arranged, and how the communication among computing resources are implemented. To simplify the process of making these choices, we have developed an architectural style for distributed processing system. The style classifies product lines for distributed processing systems into nine categories based on the location of data storage an ...

Keywords: architectural style, distributed computing model, distributed processing system, product lines, software architecture

6 Single logical view over enterprise-wide distributed databases



Andrew E. Wade

June 1993 **ACM SIGMOD Record , Proceedings of the 1993 ACM SIGMOD international conference on Management of data SIGMOD '93**, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(490.97 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Two trends in today's corporate world demand distribution: downsizing from centralized mainframe single database environments; and wider integration, connecting finance, engineering, manufacturing information systems for enterprise-wide modeling and operations optimization. The resulting environment consists of multiple databases, at the group level, department level, and corporate level, with the need to manage dependencies among data in all of them. The solution is full distribution, prov ...

7 Heterogeneous distributed database systems for production use



Gomer Thomas, Glenn R. Thompson, Chin-Wan Chung, Edward Barkmeyer, Fred Carter, Marjorie Templeton, Stephen Fox, Berl Hartman

September 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 3

Publisher: ACM Press

Full text available: pdf(2.90 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

It is increasingly important for organizations to achieve additional coordination of diverse computerized operations. To do so, it is necessary to have database systems that can operate over a distributed network and can encompass a heterogeneous mix of computers, operating systems, communications links, and local database management systems. This paper outlines approaches to various aspects of heterogeneous distributed data management and describes the characteristics and architectures of ...

8 The second Ada project: reaping the benefits



Ronald L. Lawson, Mitchell L. Springer, Richard A. Howard



July 1988 **Proceedings of the fifth Washington Ada symposium on Ada**

Publisher: ACM Press

Full text available: [pdf\(650.32 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

9 Experience with representing C++ program information in an object-oriented database



Tamiya Onodera

October 1994 **ACM SIGPLAN Notices , Proceedings of the ninth annual conference on Object-oriented programming systems, language, and applications OOPSLA '94**, Volume 29 Issue 10

Publisher: ACM Press

Full text available: [pdf\(1.26 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Two major issues related to storing program information in an OODB are sharing and clustering. The former is important since it prevents the database from consuming excessive disk space, while the latter is crucial, since it keeps clients running without thrashing. In our database, objects are shared across multiple programs' translation units, and are clustered by combining three techniques, namely, birth-order, death-order, and sharing-oriented clusterings. An initial experiment shows tha ...

10 On user interface reference models



Keith A Lantz

October 1986 **ACM SIGCHI Bulletin**, Volume 18 Issue 2

Publisher: ACM Press

Full text available: [pdf\(693.13 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The proliferation of personal workstations and computer networks has enabled users to develop or otherwise access an ever wider range of applications. Unfortunately, the human-computer interface has not kept pace with the available hardware, nor with the aspirations of many users. Major advances are required with respect to the "style" of human-computer interaction -- advances in graphical techniques as well as other communications media. Moreover, this "style" should be as consistent as possibl ...

11 Affinity-based management of main memory database clusters



Minwen Ji

November 2002 **ACM Transactions on Internet Technology (TOIT)**, Volume 2 Issue 4

Publisher: ACM Press

Full text available: [pdf\(553.96 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We study management strategies for main memory database clusters that are interposed between Internet applications and back-end databases as content caches. The task of management is to allocate data across individual cache databases and to route queries to the appropriate databases for execution. The goal is to maximize effective cache capacity and to minimize synchronization cost. We propose an affinity-based management system for main memory database cLusters (*ALBUM*). *ALBUM* executes ea ...

Keywords: Main memory database, clustering, database administration, database cluster, file organization, query affinity, scalability

12 Ultracomputers: a teraflop before its time



Gordon Bell

August 1992 **Communications of the ACM**, Volume 35 Issue 8

Publisher: ACM Press

Full text available: [pdf\(11.84 MB\)](#)

Additional Information: [full citation](#), [references](#), [citings](#), [index terms](#), [review](#)

Keywords: government policy, parallel processing, scientific programming

13 Paper session I: techniques: Event-based modeling and processing of digital media



Rahul Singh, Zhao Li, Pilho Kim, Derik Pack, Ramesh Jain

June 2004 **Proceedings of the 1st international workshop on Computer vision meets databases CVDB '04**

Publisher: ACM Press

Full text available: pdf(740.67 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Capture, processing, and assimilation of digital media-based information such as video, images, or audio requires a unified framework within which signal processing techniques and data modeling and retrieval approaches can act and interact. In this paper we present the rudiments of such a framework based on the notion of "events". This framework serves the dual roles of a conceptual data model as well as a prescriptive model that defines the requirements for appropriate signal processing. Amongst ...

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1 [IRIS performer: a high performance multiprocessing toolkit for real-time 3D graphics](#) ☐



John Rohlf, James Helman

 July 1994 **Proceedings of the 21st annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press

Full text available: pdf(633.11 KB)

ps(9.32 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the design and implementation of IRIS Performer, a toolkit for visual simulation, virtual reality, and other real-time 3D graphics applications. The principal design goal is to allow application developers to more easily obtain maximal performance from 3D graphics workstations which feature multiple CPUs and support an immediate-mode rendering library. To this end, the toolkit combines a low-level library for high-performance rendering with a high-level library that imp ...

2 [Join processing in relational databases](#) ☐



Priti Mishra, Margaret H. Eich

 March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: pdf(4.42 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The join operation is one of the fundamental relational database query operations. It facilitates the retrieval of information from two different relations based on a Cartesian product of the two relations. The join is one of the most difficult operations to implement efficiently, as no predefined links between relations are required to exist (as they are with network and hierarchical systems). The join is the only relational algebra operation that allows the combining of related tuples fro ...

Keywords: database machines, distributed processing, join, parallel processing, relational algebra

3 [On parallel execution of multiple pipelined hash joins](#) ☐



Hui-I Hsiao, Ming-Syan Chen, Philip S. Yu

 May 1994 **ACM SIGMOD Record , Proceedings of the 1994 ACM SIGMOD international conference on Management of data SIGMOD '94**, Volume 23 Issue 2

Publisher: ACM Press

Full text available: pdf(1.24 MB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we study parallel execution of multiple pipelined hash joins. Specifically, we

deal with two issues, processor allocation and the use of hash filters, to improve parallel execution of hash joins. We first present a scheme to transform a bushy execution tree to an allocation tree, where each node denotes a pipeline. Then, processors are allocated to the nodes in the allocation tree based on the concept of synchronous execution time such that inner relations (i.e., hash tables) ...

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MM Span, K Ridderinkhof, MW van der Molen - Acta Psychologica, 2004 - users.fmg.uva.nl

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KR Kimmel - 23rd Annual BACUS Symposium on Photomask Technology. Edited ..., 2003 - [sematech.org](#)

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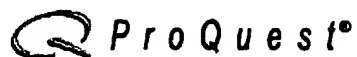
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- ☐ 1. **A study of the allocation behavior of C++ programs**
J Morris Chang, Woo Hyong Lee, Witawas Srisa-an. *The Journal of Systems and Software*. New York: Jun 15, 2001.
Vol. 57, Iss. 2; p. 107

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